

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An arrangement for the production of a three-dimensional product, which includes a work bench on which the said three-dimensional product is to be constructed, a powder dispenser which is arranged to apply a thin layer of powder onto the work bench to create a powder bed, an irradiation gun for transmitting energy to the powder so that melting of the powder takes place, the arrangement comprising:

a casing within which the pressure is reduced in relation to the atmospheric pressure and within which the work bench and the irradiation gun are located, wherein the powder dispenser is a continuous unit having a dispensing end and a powder refill end, where the dispensing end is disposed inside said casing and the powder refill end is disposed outside said casing such that a powder refill opening on the refill end is exposed to an ambient atmosphere outside said casing and such that the powder dispenser is thereby directly accessible from outside the casing for refill of powder material while production is in progress at any time during a production process without affecting pressure conditions inside the casing.

2. (Cancelled)

3. (Previously Presented) The arrangement as claimed in ~~claim 2~~claim 1, wherein a column of powder in the powder dispenser acts as a pressure barrier between the inside of the casing and the environment outside the casing.

4. (Previously Presented) The arrangement as claimed in claim 3, wherein the column of powder has a height of 1000 mm.

5. (Previously Presented) The arrangement according to any one of the above claims, further comprising a first chamber, which encloses the work bench, and a second chamber, which encloses the irradiation gun, the chambers being located inside the casing and connected to each other via a duct.

6. (Previously Presented) The arrangement as claimed in claim 5, wherein the powder dispenser is arranged in association with the first chamber.

7. (Previously Presented) The arrangement according to claim 1, further comprising a supply device in the form of a container with compartments which can be moved so that powder can be supplied to the powder dispenser from the different compartments.

8. (Previously Presented) The arrangement of claim 1, the irradiation gun comprising an electron gun.

9. (New). The arrangement of claim 1, wherein the powder refill opening includes a cover with a valve arranged on top of said powder dispenser.